

## 12.2 VENTILATION

### 12.2.1 Design Objectives

The plant Ventilation Systems are designed to provide safe atmospheric conditions within the plant at all times. Design objectives include, among others, limiting the spread of airborne radioactivity.

### 12.2.2 Design Description

The description of each Ventilation System is given in the respective sections as follows:

<u>Section No.</u>	<u>Title</u>
6.2.2.2	Containment Fan Cooling System
9.4.1	Control Area Air Conditioning System
9.4.2	Auxiliary Building Ventilation System
9.4.3	Fuel Handling Area Ventilation System
9.4.4	Containment Ventilation System
9.4.5	Diesel Generator Area Ventilation System
9.4.6	Switchgear Room Ventilation System
9.4.7	Service Water Intake Structure Ventilation System

#### 12.2.2.1 Equipment Sizing

Flow rates are given in the Equipment Data Tables in terms of total flow and on the basis of air changes for a given space per hour.

All exhaust systems are designed on the basis of providing full air flow capacity at the maximum static pressure losses associated with dirty filters just prior to servicing.

#### 12.2.2.2 Filter Characteristics

Filter characteristics are given in the Equipment Data and Materials of Construction Tables in respective sections.

#### 12.2.2.3 Post Accident System Operation

Post accident shutdown and emergency mode operation is described in the respective sections.

#### 12.2.3 Radiation Monitoring

The provisions for plant radiation monitoring are described in Section 11.4.